

CLAIMS

1. A process for the hot moulding of articles made of thermoplastic material, comprising the steps of:

- heating at least one plate of thermoplastic material to a plasticizing temperature;
- compressing said heated plate between two moulding surfaces, set opposite one another, of a pair of half-moulds; and
- forming, by injection moulding, at least one component anchored to a surface of the plate, while the plate is being compressed between said moulding surfaces.

2. A process according to Claim 1, wherein the injection moulding of the aforesaid component is performed by injecting plastic material at high pressure into a seat communicating with one of said moulding surfaces.

3. A process according to Claim 2, wherein said seat presents a narrow section designed to produce a reduction in the pressure of the plastic material injected in contact with the plate.

4. A process according to Claim 1, comprising the step of displacing a slider defining one part of said seat for extracting the injection-moulded component from the respective seat.

5. Equipment for hot moulding of articles made of thermoplastic material, comprising a first half-mould and a second half-mould which are free to move with respect to one another between an open position and a closed position and are provided with respective moulding surfaces designed to carry out hot moulding of at least one plate of thermoplastic material, at least one of said half-moulds comprising at least one injection-moulding seat communicating with the respective hot-moulding surface, at least one injection channel being provided for injecting plastic material inside said seat.

6. Equipment according to Claim 5, wherein the said injection-moulding seat presents a narrow section designed to reduce the pressure of the plastic material injected in contact with the plate.

7. Equipment according to Claim 5, wherein the half-mould provided with said injection-moulding seat carries a slider which is mobile with respect to the half-mould between an operating position in which the slider defines a part of said injection-moulding seat and a non-operating position in which the injection-moulded component can be extracted from the seat.

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